

PAIDC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>091674822</u>	Prepared by <u>N.H.</u>	Tracking Number <u>05875647</u>	
Examiner-GAU <u>Rosenberger-2877</u>	Date <u>2-2-4</u>	Week Date <u>12/15/03</u>	
	No. of queries <u>1</u>	<u>IFW</u>	

JACKET

- | | | | |
|----------------------|------------------------|--------------------|--------------------|
| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| c. Continuing Data | h. Microfiche Appendix | m. Searched Column | <u>r. Abstract</u> |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

MESSAGE

No abstract in file. Please supply.

Thank you

initials N.H.

RESPONSE

corrected

initials

ABSTRACT OF THE DISCLOSURE

A method and apparatus for surface measurement using the shadow moire effect with the Talbot effect. The apparatus includes a specimen mount to receive a specimen having a surface to be measured, and a reference grating mounted adjacent to the specimen mount so as to be substantially parallel to a mean surface plane of the specimen. The reference grating is mounted in such a manner that the distance between the reference grating and the mean surface plane of the specimen can be adjusted to a Talbot distance δT . The apparatus also includes a light source to illuminate the specimen through the grating and a detector positioned to detect the moire fringes produced by the grating due to variation of the surface of the specimen.